

1077-K5-2684 **Alla Morgulis*** (amorgulis@bmcc.cuny.edu) and **Claire Wyn Wladis**. *Preparing students for proofs and deeper conceptual thinking by implementing collaborative learning projects in Intermediate Algebra and Trigonometry.*

We developed a pilot Intermediate Algebra and Trigonometry course which implemented collaborative learning projects that introduced students to proofs and conceptual thinking. The aim was to prepare students for the higher-order thinking skills that are needed in calculus courses and beyond. The pilot courses in which this new curriculum was implemented had higher student success rates and higher scores on the department final exam, suggesting that the new course structure was effective. We hope that longer term followup with pilot students (currently in progress) will show improved rates of success in higher level mathematics courses.

In this talk we will describe the structure of the pilot course and assignments and talk about how this new way of teaching was implemented. In addition we will discuss challenges and practicalities encountered in actually implementing the new curriculum. (Received September 22, 2011)